Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are terms reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado	2490 West 26th Ave., Denver, CO 80211
New Mexico	517 Gold Ave. S.W., Room 3301, Albuquerque, NM 87102-3157
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	1201 Terminal Way, Room 219, Reno, NV 89502
Oregon	1220 Southwest 3rd Ave., Room 1640, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201-1080
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82601

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 248, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies Include: California — Snow Survey Branch, California Department of Water Resouces, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Bulldings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Environment Technical Services Division, 9820 106th St., Edmonton, Alberta T5K 2J6.

Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

Issued by

Wilson Scaling Chief Soil Conservation Service Washington, D. C.

Released by

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In cooperation with

Utah State Department of Natural Resources
Robert L. Morgan D. Larry Anderson
State Engineer Director
Division of Water Rights Division of Water Resources

Prepared by

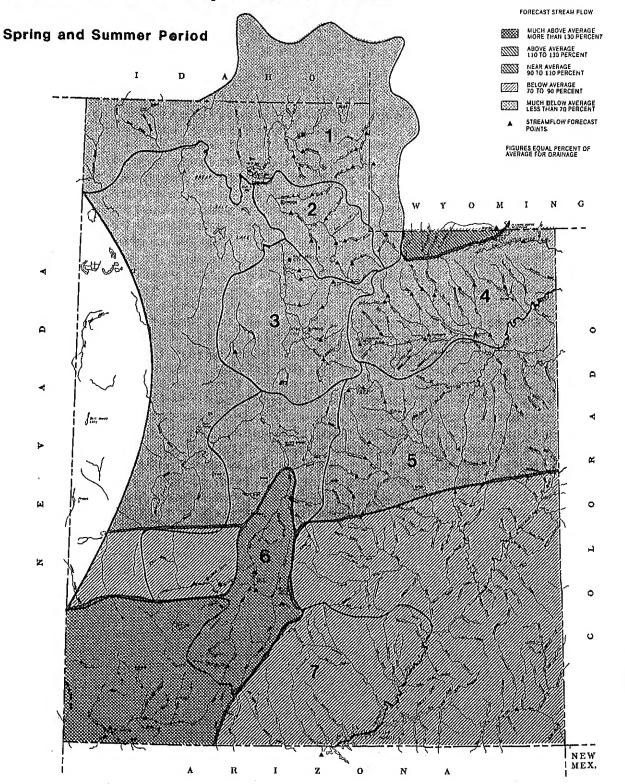
Jon G. Werner Snow Survey Supervisor Soil Conservation Service 125 So. State St., Fed. Bldg. P. O. Box 11350 Salt Lake City, Utah 84147

Programs and assistance of the United States Department of Agriculture are available without regard to race, creed, color, sex, age, or national origin.

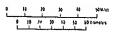
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Streamflow Prospects for Utah



- BEAR RIVER BASIN
- WEBER & OGDEN WATERSHEDS IN UTAH
- UTAH LAKE, JORDAN RIVER & TOOELE VALLEY UINTAH BASIN & DAGGET SCD'S
- CARBON, EMERY, WAYNE, GRAND & SAN JUAN CO. SEVIER & BEAVER RIVER BASINS 5
- E. GARFIELD, KANE, WASHINGTON & IRON CO.



GENERAL OUTLOOK

SUMMARY

Another month of below average precipitation, coupled with an earlier than normal melt, have resulted in further reductions in streamflow forecasts in northern Utah. The timing of the precipitation in April enabled reservoir operations to delay releases and continue to fill for a few more weeks, however, thereby increasing much needed reserves for later this summer. The southern part of the State received ample precipitation during April and streamflow forecasts remain near average.

SNOWPACK

Changes in snow water content on the watersheds of Utah during April varied significantly from region to region. Northern Utah watersheds began to lose snow water to melt from two to three weeks earlier than usual and lost from two to more than three and one—half times as much water to melt during the month as usual. The Sevier River watershed, in contrast, began melt at the normal time and lost slightly less water to melt than normal and southwestern Utah actually recorded a net increase in water content for the month. May I snow water equivalent ranges from 34% of average on the Utah Lake, Jordan River and Tooele Valley watersheds to 88% in southwestern Utah.

PRECIPITATION

April precipitation at mountain stations in northern Utah was generally in the 80 to 90% of average range. Precipitation at northern Utah Valley stations, although erratic, generally ranged from 70 to 100% of average. Seasonal precipitation (October through April) at northern Utah mountain stations is generally 70 to 80% of normal and near 70% at Valley sites. Precipitation during April at southern Utah mountain stations ranged from 90 to 180%. Many southern vailey stations received more than two times normal April precipitation and, overall, averaged 177%. Seasonal precipitation at southern mountain sites ranges from 90 to 130% seasonally.

RESERVOIRS

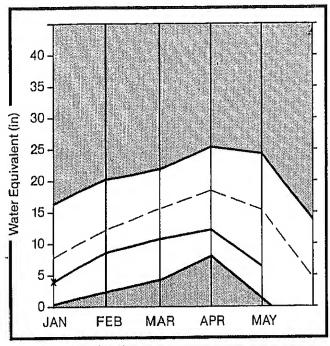
Reserves of water stored in 26 key irrigation reservoirs in Utah are 13% greater than normal for the end of April. This volume represents 86% of capacity. Last year these reservoirs held 88% of capacity in storage at the end of April. Normally the same reservoirs would only be storing 76% of capacity at this time of year. Sixteen of the 26 reservoirs in our sample have more than 90% of their useable capacity in storage. Pineview and the Enterprise Reservoirs will probably not fill this year and shortages will likely materialize. With continued spring precipitation releases could be delayed allowing East Canyon and Forcupine to fill.

STREAMFLOW

Forecasts of spring and summer streamflow on the Bear, Weber, and Provo-Utah Lake-Jordan have been reduced again this month as a result of continued below average monthly precipitation. Forecasts in these basins now range from 20 to 60% of average. Forecast flows on the north slope of the Uintas east of the Bear remain near average. South slope tributaries to the Duchesne have been reduced, however, and now range from 35 to 75% of average. Further south the situation improves with southeastern Utah forecasts in the 85 to 85% range. Forecasts on the Upper Sevier have improved slightly from last month and are near normal as are forecasts on the Virgin.

Bear River Basin



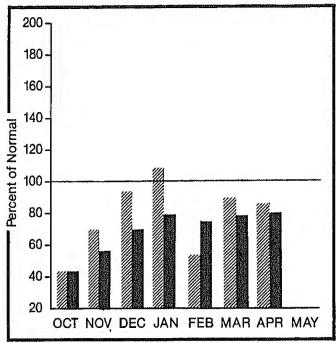


*Based on selected stations

Maximum Minimum

Average ----

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Bear River watershed began to melt almost two weeks earlier than usual this year and lost more than twice as much water content to melt during April than is normal. May first snow water content is 44% of average. Mountain precipitation was 86% of average for April which brings total water year accumulation to 76% of average. Streamflow forecasts have declined from last month and now range from 30 to 60% of average. Reservoir storage is slightly less than last year at 103% of average.

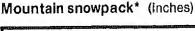
For more information contact your local Soil Conservation Service Office: Tremonton Field Office 801-257-5403 Logan Field Office 801-753-5616

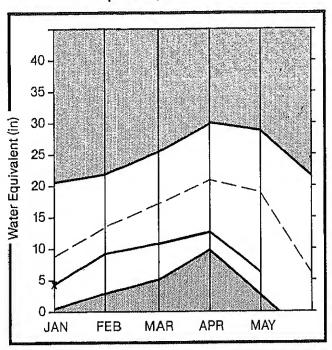
BEAR RIVER BASIN

FORECAST POINT	FORECAST PERIOD	AVG. (1000AF)	(1000AF)		(1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)	
BEAR RIVER near UT-MY Stateline	MAY-JUL	105.0	65.0	62	90.0	86	40.0	38	
BEAR near Moodruff	MAY-JUL	124,0			123.0	98	21.0	17	
WOODRUFF CREEK near Moodruff	MAY-JUL	15.1	4,7	31	8.0	53	2.0	13	
BIG CREEK near Randolph	APR-JUL	5.3	100	28	4.0	75	1.0	19	
BEAR RIVER near Randolph	MAY-JUL	95.0	29,0	31	73.0	77	15.0	16	
SMITHS FORK near Border	APR-SEP	123.0	68,0	55	125.0	102	20.0	16	
THOMAS FORK near Stateline	APR-SEP	37.10	16,0	43	33,0	89	5.0	14	
BEAR RIVER near Harer	APR-SEP	91010	139,0	45	256.0	83	60.0	19	
CUB RIVER near Preston	APR-JUL	46.8	23,5	5 Q	40.0	86	10.0	20	
LITTLE BEAR RIVER near Paradise	MAY-JUN	2910	9,3	32	20.0	69	6.0	21	
LOGAN RIVER near Logan	MAY-JUL	107.0		48	70.0	65	32.0	30	
BLACKBMITH FORK near Hyrum	MAY-JUL		11.9	31	22.0	58	6.0	16	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								*********
RESERVOI	R STORAGE	¢.	1000AF)	1		WATERSHE	ED SNOWPAC	K ANALYSIS	
	USEABLE !	** USEA	BLE STORAGE	•			NO.	THIS Y	EAR AS % OF
RESERVOIR		THIS YEAR	LAST YEAR	AVG.	NATERSHED		COUR AVG'		R. AVERAGE
BEAR LAKE		1096.0	1118.9	X89.0	BEAR RIVER	, UPPER IN	UTAH 6	100	42
HYRUM	15.3	15.3	15.4	13,2	BEAR RIVER	, LOWER IN	UTAH 10	181	43
PORCUP INE	11.3	7.2	1118			AINAGE IN L			
ADODRUFF NARROWS	55.8	55.4	57.8		BEAR RIVER	, UPPER	12		A CONTRACTOR OF A CONTRACTOR O
ADODRUFF CREEK	3.5	3,5	444		BEAR RIVER	, LOWER	13	210	39
					BEAR RIVER	DRAINAGE	23	164	
					.OGAN RIVE	R	5	202	46
					RAFT RIVER		0	0.	δ
		100 100 1121 2130 100	A SECTION OF THE PERSONS	0000000000000000					

^{1 -} Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below. 2 - Corrected for upstream diversions or changes in reservoir storage. The average is computed for the 1961-85 base period.

Weber & Ogden Watersheds

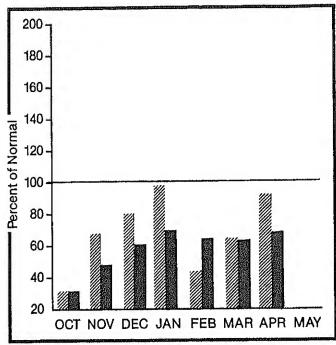




*Based on selected stations

Maximum Average Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Bnow water equivalent on the Weber River watershed is only 35% of normal. Peak accumulation was reached more than two weeks earlier than usual and melt dur-Ing April was more than twice normal. Mountain precipitation during April continued the unbroken string of below average months of precipitation this water Water year total precipiyear with 92% of average. Streamflow forecasts now tation is 68% of normal. range from 20 to 51% of average. Reservoirs are holding 80% of capacity but Pineview is only 52%.

For more information contact your local Soil Conservation Service Office: Layton Sub Office

FORECAST POINT	PERIOD		PROBABLE (1000AF)	PROBABLE (% AVG.)	(1000AF)	MAX.	REAB. MIN. (1000AF)	REAS. MIN. (% AVG.)	
MITH AND MOOREHOUSE CREEK near Oakl		27.7	13,6	49	18.0	65	9.0	32	
EBER RIVER near Oakley	MAY-JUN		40.0			59	25.0	27	
OCKPORT RESERVOIR Inflow	MAY-JUN	102.0	26,0	25	50.0	49	14.0	14	
HALK CREEK near Coalville	MAY-JUN	34.0	6,8	20	17.0	50	4.0	12	
EBER RIVER near Coalville	MAY-JUN	105.0	25.0	24	49.0	47	15.0	14	
CHO RESERVOIR Inflow	MAY-JUN	128.0	27.0	21	56.0	44	14.0	11	
OST CREEK near Croyden	MAY-JUN	11,2	3,1	28	6,0	54	2.0	18	
AST CANYON CREEK near Morgan	MAY-JUN	19.0	4,5	24	12.0	63	2.0	11	
MARDSCRABBLE CREEK near Porterville	APR-JUN	18,4	9,3	51	16.0	87	5.0	27	
EBER RIVER at Gateway	APR-JUN	328.0	84.0	26	146.0	45	44.0	13	
OUTH FORK OGDEN RIVER near Huntsvil	MAY-JUN	43.0	9.0	21	21.0	49	5.0	12	
INEVIEW RESERVOIR INFlow	MAY-JUN	74.0	21,0	28	36.0	49	12.0	16	
HEELER CREEK near Huntsville	APR-JUN	6:3	2,3	37	4.0	64	1.0	16	
ARMINGTON CREEK near Farmington	MAY-JUL	6.7	2.0	30	5.0	75	1.0	15	
RESERVOIR	BTORAGE		1000AF)			HATERSHI	ED SNONPAC	K ANALYSIS	图 16 44 66 60 10 60 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10
RESERVOIR	USEABLE CAPACITY!	** USEA THIB YEAR	BLE STORAG LAST YEAR	E ** AVG.	WATERSHED		NO. COUR AVG	THIS YE	AR AS % OF
AUSEY	7.1	6.8	7.1	2,6	OGDEN RIVE	R	4		37
AST CANYON	48,1	40,1	44	41.5	NEBER RIVE	Ŕ	16	99	34
сно	73.9	69.8	70,7	84,2	NEBER & 00	DEN WATERS	HED8 20	104	35
OST CREEK	20.0	19,4	19,0	14.3					
INEVIEW	110.1	57.0	67.7	76.6					
				24.0					
OCKPORT	60.9	41.0	45.1	36.8					

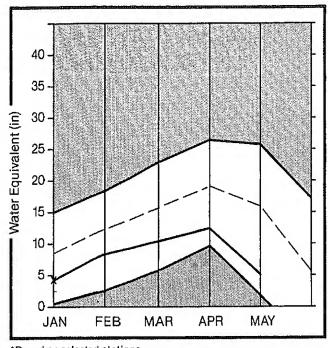
^{1 -} Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

^{2 -} Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

Utah Lake, Jordan River & Tooele Valley

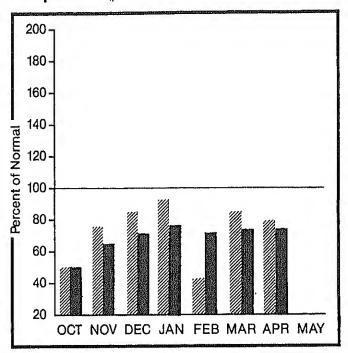




*Based on selected stations

Maximum Average Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Loss of snow water to melt on Jordan River and Tooele Valley tributaries began approximately two weeks ear-Her than usual this year and progressed at more than twice the normal rate resulting in May first water content of only 34% of average. Precipitation at mountain stations was only 78% of average in April. Seasonal precipitation is 74% of average. casts of spring and summer streamflow now range from 38 to 55% of average. Area reservoirs have 97% of their cumulative capacity currently in storage.

For more information contact your local Soil Conservation Service Office: Midvale Field Offcie 801-524-4373 801-377-5580 Provo Field Office

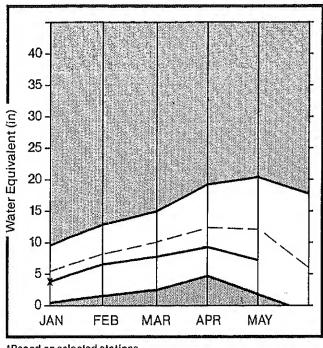
UTAH LAKE, JORDAN RIVER & TOOELE VALLEY

### SECRET OF TOWARD CREEK near SLC MAY-JUL 38:0 18:0 47 21:0 65 16:0 42 #### SCEEK Near SLC MAY-JUL 18:0 5:2 40 9:0 69 2:0 15 ###################################	FORECAST POINT	FORECAST PERIOD		(1000AF)		(1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)	
### PROPORTION OF THE PROPORTY	SALT CREEK near Nephi	MAY-JUL	10.8	4/1	38	24	93	2.0	19	
PROVO near Hailstone MAY-JUL 100.0 50.0 50 70.0 70 35.0 35 PROVO below Deer Creek Dam MAY-JUL 100.0 50.0 44 75.0 69 25.0 23 WERICAN FORK near American Fk. MAY-JUL 30.0 14.0 47 18.0 60 11.0 37 JITAH LAKE Inflow MAY-JUL 211.0 110.0 62 176.0 63 45.0 21 LITTLE COTTONMOOD CRK near SLC MAY-JUL 36.0 19.0 47 21.0 65 16.0 42 318 COTTONMOOD CRK near SLC MAY-JUL 35.0 19.0 51 21.0 60 14.0 40 PARLEY'S CREEK near SLC MAY-JUL 51.9 51 21.0 60 14.0 40 PARLEY'S CREEK near SLC MAY-JUL 51.9 30 51 4.0 68 2.0 34 EMILI CREEK near SLC MAY-JUL 51.9 30 51 4.0 68 2.0 34 EMIRATION CREEK near SLC MAY-JUL 7.8 3.0 30 4.0 51 2.0 26 JETTY CREEK near Vernon MAY-JUL 7.8 3.0 30 4.0 51 2.0 26 JETTY CREEK near Factor MAY-JUL 7.8 3.0 30 4.0 51 2.0 26 SETTILEMENT CREEK near Toole MAY-JUL 2.1 0.9 43 2.0 95 0.5 24 SOUTH WILLOM CREEK near Strantsville MAY-JUL 2.1 1.1 31 2.0 74 0.6 22 RESERVOIR STORAGE (1000AF) MATERSHED SNOWPACK AMALYSIS RESERVOIR CREEK 149.6 357.8 146.1 10.4 74 0.6 22 RESERVOIR THIS LAST MATERSHED SNOWPACK AMALYSIS RESERVOIR CREEK 149.6 357.8 146.1 10.5 77 0.7 0.6 22 JORDAN RIVER & GREAT SALT 12 156 34 JETTALEMENT CREEK 149.6 357.8 146.1 10.5 77 0.7 0.0 0.6 22 JORDAN RIVER & GREAT SALT 12 156 34 JITTALLAKE 855.5 552.7 649.0 746.8 176.6 176.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 1	PAYSON CREEK near Payson	MAY-JUL	5.8	2.5	43					
PROVO below Deer Creek Dam MAY-JUL 108.0 50.0 44 76.0 69 28.0 23 MMERICAN FORK near American Fk. MAY-JUL 30.0 14.0 47 18.0 60 11.0 37 JITAH LAKE Inflow MAY-JUL 211.0 10.0 52 175.0 83 45.0 21 LITTIE COTTONNOOD CRK near SLC MAY-JUL 38.0 19.0 47 21.0 65 16.0 42 BIS COTTONNOOD CRK near SLC MAY-JUL 38.0 16.0 51 21.0 60 14.0 40 PARLEY'S CREEK near SLC MAY-JUL 19.0 8.2 40 9.0 69 2.0 15 MILL CREEK near SLC MAY-JUL 61.9 3.0 51 4.0 68 2.0 34 MILL CREEK near SLC MAY-JUL 3.2 1.1 38 CITY CREEK near SLC MAY-JUL 7.8 3.0 38 4.0 51 2.0 26 JERKON CREEK near Vernon MAY-JUN 0.8 0.4 55 0.8 101 0.2 28 SETTLEMENT CREEK near Toosia MAY-JUL 2.1 0.9 43 2.0 95 0.5 24 SOUTH MILLOM CREEK near Grantsville MAY-JUL 2.1 1.1 41 2.0 74 0.6 22 RESERVOIR STORAGE (1000AF) MATERSHED BNOWPACK ANALYSIS RESERVOIR TORAGE (1000AF) NATERSHED BNOWPACK ANALYSIS RESERVOIR 149.6 33.1 2.2 1.1 1.1 41 2.0 74 0.6 22 THE MAY-JUL 3.3 2.2 1.1 1.1 41 2.0 74 0.6 22 RESERVOIR STORAGE (1000AF) NATERSHED BNOWPACK ANALYSIS RESERVOIR 149.6 33.1 2.2 1.1 1.1 41 2.0 74 0.6 22 THIS YEAR AVG., PROVORIVER & UTAH LAKE 10 109 31 FRANTSVILLE 3.3 3.1 3.2 1.2 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	HOBBLE CREEK near Springville	MAY-JUL	16.8	7.0	42					
AMERICAN FORK near American Fk. MAY-JUL 30,0 14,0 47 18,0 60 11,0 37 JITAH LAKE Inflow MAY-JUL 211,0 110,0 62 175,0 83 45,0 21 LITTLE COTTONMOOD CRK near SLC MAY-JUL 38,0 19,0 47 21,0 65 16,0 42 SIGN COTTONMOOD CRK near SLC MAY-JUL 38,0 19,0 51 21,0 60 14,0 40 PARLEY'S CREEK near SLC MAY-JUL 13,0 8,8 40 9,0 69 2,0 15 MILL CREEK near SLC MAY-JUL 519 3,0 51 4,0 68 2,0 34 PHIGRATION CREEK near SLC MAY-JUL 3,2 1,1 38 ZITY CREEK near SLC MAY-JUL 7,8 3,0 58 4,0 51 2,0 26 JERNON CREEK near Vernon MAY-JUN 0,8 0,4 55 0,8 101 0,2 25 SETTLEMENT CREEK near Tooele MAY-JUL 2,1 0,9 43 2,0 95 0,5 24 SOUTH WILLOW CREEK near Grantsville MAY-JUL 2,7 1,1 41 2,0 74 0,6 22 RESERVOIR STORAGE (1000AF) MATERSHED SHOMPACK ANALYSIS RESERVOIR STORAGE (1000AF) MATERSHED SHOMPACK ANALYSIS WATERSHED SHOMPA	PROVO near Hailstone	MAY-JUL	100.0	50,0	50	70.0	70	35.0	35	
######################################	PROVO below Deer Creek Dam	MAY-JUL	108,0	50.0	46	75,0	69	25.0	23	
### STRAMSERRY-ENLARSED ###################################	AMERICAN FORK near American Fk.	MAY-JUL	30.0	14.0	47	18,0	60	11.0	37	
### ### ### ### ### ### ### ### ### ##	UTAH LAKE Inflow	MAY-JUL	211.0	110,0	52	175.0	83	45.0	21	
PARLEY'S CREEK near SLC MAY-JUL 13,0 5.2 40 9.0 69 2.0 15 MILL CREEK near SLC MAY-JUL 5:9 3.0 5:1 4.0 68 2.0 34 PMIGRATION CREEK near SLC MAY-JUL 3.2 1.1 38 CITY CREEK near SLC MAY-JUL 7:8 3.0 39 4.0 5:1 2.0 26 PERNON CREEK near Toole MAY-JUN 0.8 0.4 55 0.8 10: 0.2 25 SETTLEMENT CREEK near Toole MAY-JUL 2.7 1.1 41 2.0 74 0.6 22 RESERVOIR STORAGE (1000AF) MATERSHED SNOWPACK ANALYBIS RESERVOIR DEABLE ** USEABLE STORAGE ** CAPACITY I THIS LAST I YEAR AVG. MATERSHED SNOWPACK ANALYBIS RESERVOIR 149.6 137.6 144.1 104.9 PROVO RIVER & UTAH LAKE 10 107 31. SETTLEMENT CREEK 1.0 1.0 1.0 0.8 0.7 JORDAN RIVER & GREAT SALT 12 156 34 STRANSFERY-ENLARSED 951.4 472.6 531.8 TOOLE & VERNON H.B.'S 4 108 32 JITAH LAKE 855.5 833.9 649.6 764.8 UITAH LJORDAN RTOOLE 26 132 34	LITTLE COTTONHOOD CRK near SLC	MAY-JUL	38.0	18,0	47	21.0	55	16.0	42	
######################################	BIG COTTONNOOD CRK near SLC	MAY-JUL	35,0	18,0	5i	21.0	60	14.0	40	
### DEER CREEK 149.6 1.0	PARLEY'S CREEK near SLC	MAY-JUL	19,0	5,2	40	9.0	69	2.0	15	
CITY CREEK near SLC	MILL CREEK near BLC	MAY-JUL	5.9	3,0	51	4.0	68	2.0	34	
### USEABLE ## USEABLE STORAGE ## MAYERSHED SHOWPACK ANALYGIS MAYER YEAR MAYER MAYE	EMIGRATION CREEK near SLC	MAY-JUL	8,2	hi	38					
RESERVOIR BTORAGE (1000AF) NATERSHED SNOWPACK ANALYSIS RESERVOIR BTORAGE (1000AF) NATERSHED SNOWPACK ANALYSIS RESERVOIR CAPACITY THIS LAST NATERSHED COURSES ANG'D LAST YR. AVERACE ANALYSIS RESERVOIR 149.6 149.6 146.1 104.9 PROVO RIVER & UTAH LAKE 10 109 31 REALT CREEK 149.6 149.6 146.1 104.9 PROVO RIVER & UTAH LAKE 10 109 31 RESERVOIR 3.3 3.1 3.2 PROVO RIVER & GREAT SALT 12 156 36 STRAMBERRY-ENLARGED 951.4 492.4 651.8 PROVO RIVER & VERNON N.S. 18 4 108 30 STRAMBERRY-ENLARGED 951.4 492.4 651.8 PROVO RIVER & VERNON N.S. 18 4 108 30 STRAMBERRY-ENLARGED 951.4 492.4 651.8 PROVO RIVER & VERNON N.S. 18 4 108 30 STRAMBERRY-ENLARGED 951.4 492.4 651.8 PROVO RIVER & VERNON N.S. 18 4 108 30 STRAMBERRY-ENLARGED 951.4 492.4 651.8 PROVO RIVER & VERNON N.S. 18 4 108 30 STRAMBERRY-ENLARGED 951.4 492.4 651.8 PROVO RIVER & VERNON N.S. 18 4 108 30 STRAMBERRY-ENLARGED 951.4 492.4 651.8 PROVO RIVER & VERNON N.S. 18 4 108 30 STRAMBERRY-ENLARGED 951.4 492.4 651.8 PROVO RIVER & VERNON N.S. 18 4 108 30 STRAMBERRY-ENLARGED 951.4 492.4 651.8 PROVO RIVER & VERNON N.S. 18 4 108 30 STRAMBERRY-ENLARGED 951.4 492.4 651.8 PROVO RIVER & VERNON N.S. 18 4 108 30 STRAMBERRY-ENLARGED 951.4 492.4 651.8 PROVO RIVER & VERNON N.S. 18 4 108 30 STRAMBERRY-ENLARGED 951.4 492.4 651.8 PROVO RIVER & VERNON N.S. 18 4 108 30 STRAMBERRY-ENLARGED 951.4 492.4 651.8 PROVO RIVER & VERNON N.S. 18 4 108 30 STRAMBERRY-ENLARGED 951.4 951.8 PROVO RIVER & VERNON N.S. 18 951.8 951.8 STRAMBERRY-ENLARGED 951.4 951.8 PROVO RIVER & VERNON N.S. 18 951.8 951.8 STRAMBERRY-ENLARGED 951.4 951.8	CITY CREEK near SLC	MAY-JUL	7.8	3.0	38	4.0	51	2.0	26	
RESERVOIR STORAGE (1000AF) WATERSHED SNOWPACK ANALYSIS REBERVOIR WATERSHED SNOWPACK ANALYSIS WATERSHED SNOWPACK ANALYSIS REBERVOIR WATERSHED SNOWPACK ANALYSIS WATERSHED SNOWPACK ANALYSIS REBERVOIR WATERSHED SNOWPACK ANALYSIS REBERVOIR WATERSHED SNOWPACK ANALYSIS REBERVOIR WATERSHED SNOWPACK ANALYSIS WATERSHE	VERNON CREEK near Vernon	MAY-JUN	0,8	0,4	55	0.8	101	0.2	25	
RESERVOIR STORAGE (1000AF) WATERSHED SNOWPACK ANALYSIS RESERVOIR USEABLE ** USEABLE STORAGE ** NO. THIS YEAR AS X O COURSES NATERSHED NATERSHED NO. THIS YEAR AS X O COURSES NATERSHED NATERSHED NATERSHED NO. THIS YEAR AS X O COURSES NATERSHED	SETTLEMENT CREEK near Toomle	MAY-JUL	2.1	0.9	43	2.0	95	0.5	24	
RESERVOIR STORAGE (1000AF) MATERSHED SNOWPACK ANALYSIS RESERVOIR USEABLE ** USEABLE STORAGE ** NATERSHED COURSES COURSES YEAR AVG. NATERSHED COURSES AVG. LAST YR. AVERAGE YEAR AVG. DEER CREEK 149.6 197.6 146.1 106.9 PROVO RIVER & UTAH LAKE 10 109 31. SHANTSVILLE 3.3 3.1 3.2 PROVO RIVER & GREAT SALT 12 136 34. SETTLEMENT CREEK 1.0 1.0 0.8 0.7 JORDAN RIVER & GREAT SALT 12 136 34. STRANGERRY-ENLARGED 951.4 472.6 551.6 TOOELE & VERNON W.S.'S 4 108 30. JTAH LAKE 855.5 933.9 849.0 746.8 UTAH LJORDAN RTOOELE 26 132 34.	BOUTH MILLOM CREEK near Brantsviile	MAY-JUL	2.7	161	H	2.0	74	0.6	22	
RESERVOIR USEABLE ** USEABLE STORAGE ** NATERSHED NO. THIS YEAR AS X COURSES COURSES NATERSHED COURSES NATERSHED COURSES NATERSHED COURSES NATERSHED COURSES NATERSHED LAST YR. AVERAGE NATERSHED NA	RESERVOIR			1000AF)						
DEER CREEK 149.6 187.8 146.1 106.9 PROVO RIVER & UTAH LAKE 10 109 31 STANTSVILLE 3.3 3.1 3.2 PROVO RIVER 5 91 23 SETTLEMENT CREEK 1.0 1.0 0.8 0.7 JORDAN RIVER & GREAT SALT 12 156 36 3TRAMBERRY-ENLARGED 951.4 492.6 953.8 TOOELE & VERNON M.S.'S 4 108 30 JTAH LAKE 855.5 833.9 849.0 746.8 UTAH LJORDAN RTOOELE 26 132 34	RESERVOIR	USEABLE CAPACITY!	** USEA	BLE STORAG LAST	E ##	WATERSHED		NO. COUR	7 81HT 838	EAR AS % OF
#RANTSVILLE 3.3 3.1 3.2 PROVO RIVER 5 71 23 25 25 25 25 25 25 25 25 25 25 25 25 25			100101000							
######################################	DEER CREEK									
3TRAMBERRY-ENLARGED 951.4 492.6 551.6 TOOELE & VERNON N.S.'S 4 108 30 JTAH LAKE 855.5 533.9 649.0 766.8 UTAH LJORDAN RTOOELE 26 132 34	GRANTSVILLE	3.3				PROVO RIVE	:R	5		
JTAH LAKE 855.5 930.9 849.0 746.8 UTAH LJORDAN RTOOELE 26 132 34	BETTLEMENT CREEK	1,0	1,0	1				4.		
	STRAMBERRY-ENLARGED	951.4	472.6	661.8	444	TOOELE & V	ERNON W.S.	'8 4		
AERNON CREEK 0.6 0.6 0.6 0.6	LITAH LAKE	855,5	830.9	849,0,	766.8	UTAH LJE	RDAN RTO	0ELE 26	182	34
	VERNON CREEK .	0,6	0.6	0.6	0.6					

^{1 -} Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

Uintah Basin & Dagget SCD's

Mountain snowpack* (inches)

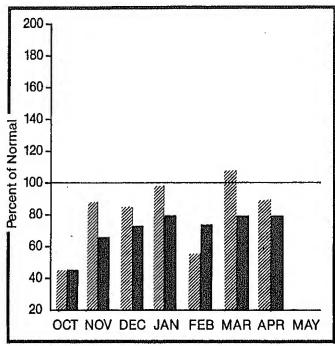






Average ————

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowmelt commenced from one to three weeks earlier than usual on Uinta Mountain watersheds that drain into the Colorado River basin. During April more than three and one-half times normal amounts of snow water were lost to melt. May first snowpack ranges from 18 to 81% of average. Mountain precipitation was 69% of the April average bringing seasonal totals to 78%. Forecasts range for 34 to 102% of average streamflow. Reservoir storage is currently 142% of average and 94% of capacity.

For more information contact your local Soil Conservation Service Office: Roosevelt Field Office: 801-722-4621

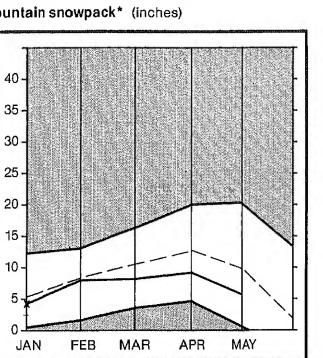
UINTAH BASIN & DAGGET SCD'8

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE	REAS. MAX.	REAB.	REAS. MIN.	REAS. MIN.	
BLACK'S FORK near Millburne	APR-JUL	50,0	81.0	90	105.0	117	60.0	67	
HENRY'S FORK near Manila	APR-SEP	61.0	6Z.0	102	65.0	127	40.0	78	
FLAMING GORGE RESERVOIR Inflow	APR-JUL HAY-JUL	1267.0 1096.0			1080.0 920.0		645.0 550.0		
ASHLEY CREEK near Vernal	MAY-JUL	60.0	3010	60	40.0	80	20.0	40	
MEST FORK DUCHESNE RIVER near Hanna	APR-JUL	28.0	15,5	.55	20.0	71	11.0	39	
DUCHESNE RIVER near Tablona	MAY-JUL,	96.0	46,0	48	58.0	60	34.0	35	
ROCK CREEK near Mountain Home	MAY-JUL	90.0	52.0	58	66.0	73	41.0	46	
DUCHESNE RIVER near Duchesne	APR-JUL May-Jul	189.0 17610	\$55,000 (625mm) to 1000 (625mm)	Charles (Configuration Configuration Configu	130.0 110.0	69 63	80.0 60.0		
CURRANT CREEK near Fruitland	MAY-JUL	16.6	8,0	.49	11.0	66	6.0	36	
STRANBERRY RESERVOIR Inflow	APR-JUL MAY-JUL	60.0 60.0	27.0 C/ 17.0	46 34	38.0 27.0		16.0 8.0		
STRAMBERRY RIVER at Duchesne	APR-JUL	69.0	32,0	46	42.0	61	23.0	33	
LAKEFORK RIVER near Mountain Home	MAY-JUL	67.0	81,0	76	62.0	93	41.0	61	
YELLOWSTONE RIVER near Altonah	MAY-JUL	62.0	44.0	71	61.0	98	27.0	44	
DUCHESNE near Myton	MAY-JUL	186.0	82.0	4	130.0	70	26.0	14	
UINTAH RIVER near Neola	MAY-JUL	84,0	61/0	79	93,0	111	29.0	35	
WHITE ROCKS RIVER near Whiterocks	MAY-JUL	67.0	40,0	70	57.0	100	23.0	40	
DUCHESNE near Randlett	APR-JUL MAY-JUL	257.0 231.0			200.0 220.0	78 95	40.0 55.0		40 ye nd 40 mp as ye do no do be ini 40 do do
RESERVOIR	STORAGE	. (1000AF)	1		WATERSH	ED BNOWPA	CK ANALYSI	8
RESERVOIR	USEABLE I		BLE STORAG LAST	1	WATERSHED		NO. COU	RSES	S YEAR AS X OF
**********************		YEAR	YEAR	AVG. I			AVG		T YR. AVERAGE
FLAMING GORGE MOON LAKE	3749.0 35.8	3010.0 23.6	3136.9 27.4	18.1	UPPER GREE		UTAH 13	\$4465.ACM	64 18
RED FLEET	26.0	22.5	20,8	***	BLACK'S FO	RK RIVER	3	111	81
STEINAKER	33.3	32.1	3(,3	23.0	SHEEP CREE		2	\$9,590,230,53	
etarvation Etranberry-enlarged	165.3 951.4	164.1 492.6	163.8	113.5	DUCHESNE R		16 E CK. 3	100000000000000000000000000000000000000	41.00
eran erakken jerr – termezi i teke	79117			01394116053556	STRANBERRY		4	24	40
					UINTAH-WHI			6)	52
					UINTAH BAS	IIN & DAGGE	T SCD 29	(:	86

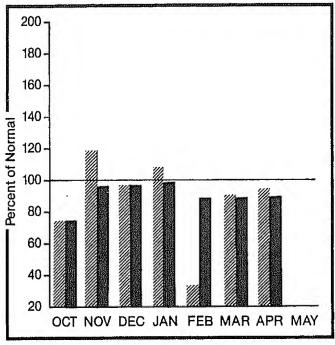
^{1 -} Reas. max. and reas. min. forecasts are for 5% and 95% exceedance [evels and also (2) below. 2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

arbon, Emery, Wayne, Grand, and San Juan Co.







*Based on selected stations

sed on selected stations

imum ____

Average ---Current ----

Monthly precipitation

Year to date precipitation

NATER SUPPLY OUTLOOK:

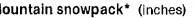
The watersheds of southeastern Utah began to lose snow water to meit about two weeks earlier than usual this year but the amount lost in April was only slightly in excess of normal. May first snow water content is 60% of average. April precipitation at mountain stations was near normal bringing water year accumulation to 69% of average. Forecasts of spring and summer streamflow range from 65 to 65% of normal. Btored water reserves were 13% greater than usual at the end of April.

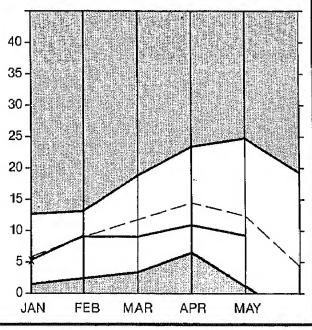
For more information contact your local Soil Conservation Service Office: Price Field Office 801-637-0041

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX.	REAS.		REAS. MIN. (% AVG.)	
COLORADO near Cisco, UT	APR-JUL May-Jul	3443.0° 2993.0	2700,0 2324.0	78 78	3525.0 3045.0		1975.0 1695.0		
MILL CREEK near Moab	MAY-JUL	4.7	4,0	W	5.0	106	3.0	64	
GREEN near Green Rv., UT	APR-JUL May-Jul	3182.0 2699.0	2460.0 2040.0		3055.0 2535.0		1845.0 1845.0	58 59	
GOOSEBERRY CREEK near Scofield	MAY-JUL	11.1	7,4	67	10.0	90	5.0	45	
BCOFIELD REBERVOIR Inflow	MAY-JUL	41,5	29.0	56	30.0	72	18.0	43	
PRICE near Heiner	MAY-JUL	70.0	43.0	61					
ELECTRIC LAKE Inflow	MAY-JUL	13,9	8,6	61	11.0	79	7.0	50	
HUNTINGTON CREEK near Huntington	MAY-JUL	48.9	30,0	81	40.0	82	25.0	61	
COTTONWOOD CREEK near Orangeville	MAY-JUL	43,0	26.0	60	40.0	93	15.0	35	
FERRON CREEK near Ferron	MAY-JUL	38.0	22.0	59	30.0	79	15.0	39	
SEVEN HILE CREEK near Fish Lake	APR-JUL	6.5	6.4	83	7.0	108	4,0	62	
MUDDY CREEK near Emery	APR-JUL	21.0	12.0	17	16.0	76	8.0	38	
WAYAJO RESERVOIR Inflow	MAY-JUL	606.0	439,0	27	610.0	101	295.0	49	
	MAY-JUL		69870	100				55	
RESERVOIF	R STORAGE			1				K ANALYSIS	· · · · · · · · · · · · · · · · · · ·
RESERVOIR	USEABLE I	## USE/		Æ ##	WATERSHED		NO.	THIS Y	AR AS % OF
NEGENTUIN	1	YEAR		VAG"			AVG'	D LAST Y	R. AVERAGE
HUNTINGTON NORTH	3.9		4,1	3.9	PRICE RIV		3	292	56
JOE'S VALLEY	61.6	44.8	40,2	46(8	SAN RAFAEI	. RIVER	7	126	48
Ken's Lake	2.3	1.6	1.0	••••	MUDDY RIV	ER	2	365	69
MILL SITE	16.7	9.4	1418	6.3	FREMONT R	IVER	4	96	50
SCOF IELD	65.8	47.7	67,9	36,6	LASAL MOU	RILATV	2	æ	69
					BLUE HOUN	TAINB	2	35	24
					MILLOW CR	EEK - MHITI	ERIVE 3	136	- 16
					SOUTHEAST	ern utah	22	110	60

^{1 -} Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

Sevier & Beaver River Basins



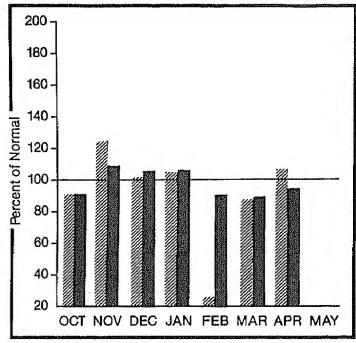


Based on selected stations

aximum _____

Average ----

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on Sevier River watershed began to meit at the normal time this April but the amount of water lost to meit was less than average because of low temperatures and above average precipitation the last half of the month. May first snow water content is 73% of normal. April precipitation was 106% of average. Water year total is 92% of normal. Streamflow forecasts range from 43 to 110% of average and generally increase from north to south. Reservoir storage is very good. Storage is 156% of average (97% of capacity).

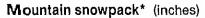
For more information contact your local Soil Conservation Service Office: Richfield Field Office 801-896-6261 Fillmore Field Office 801-743-665

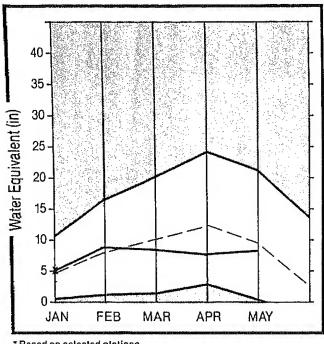
SEVIER & BEAVER RIVER BASINS

FORECAST POINT	FORECAST PERIOD	AVB.	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)		REAB. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (X AVG.)	
SEVIER at Hatch	MAY-JUL	. 44,9	46.0	102	60.0	134	35.0	78	
SEVIER near Circleville	MAY-JUL	36.2	40,0	110					
SEVIER near Kingston	MAY-JUL	25,7	28.0	109	45.0	175	15.0	58	
ANTIMONY CREEK near Antimony	MAY-JUL	6,9	7.2	104					
E F SEVIER near Kingston	MAY-JUL	15,4	18.0	110	28.0	171	11.0	67	
SEVIER blw Plute Dam	MAY-JUL	42.0	48.0	114	76.0	181	23.0	55	
CLEAR CREEK near Sevier	MAY-JUL	18.8	1910.	97					
BIGURD to GUNNISON	MAY-JUL	35,4	36.0	99	70.0	192	16.0	44	
KINGSTON to VERNILLION DAM	MAY-JUN	22. 7	30.0	12					
VERMILLION DAM to GUNNISON	MAR-JUN May-Jul	84.0 38.0	54.0 38.0						
SALINA CREEK at Salina	MAY-JUN	16.2	8.0	49					
PLEABANT CREEK near Pleasant	MAY-JUL	11.6	5,0	43					
EPHRAIM CREEK near Ephraim	MAY-JUL	22,0	10.0	48					
BEVIER nr Gunnison	MAY-JUL	79.6	70,0	98					
CHICKEN CREEK near Levan	APR-JUL	3,6	119	84	3.0	86	1.0	29	
OAK CREEK near Oak City	MAY-JUL	1.1	976	60	1.0	91	0.3	27	
CHALK CREEK near Fillmore	MAY-JUL	19.2	9,2	70	12.0	91	6.0	45	
BEAVER RIVER near Beaver	MAY-JUL	24,0	1910	75:	26.0	108	10.0	42	
NORTH CREEK near Beaver (combined)	MAY-JUL	il.7	10,5	89	18.0	142	3.0	24	
MINERSVILLE RESERVOIR Inflow	APR-JUN	9.9	6.3	ü	10.0	112	3.0	34	
RESERVOIR	STORAGE		(1000AF)	 	*********			CK ANALYSIS	
RESERVOIR	USEABLE CAPACITY	THIB YEAR	ABLE STORAI LAST YEAR	AVB. I	NATERSHED		NO. COU AVE	THIB YEAR A	
GUNNISON MINERSVILLE (RkyFd) OTTER CREEK PIUTE SEVIER BRIDGE PANQUITCH LAKE	20.3 26.0 52.7 71.8 236.0 22.3	0.0 21.0 8.1 11.1 11.0 11.0 11.0 11.0 11.0 11	20.8 63.6 63.6 63.6 63.6 63.6	16.0 97.5 44.1 186.0	EAST FORK SOUTH FOR LONER SEV BEAVER RI	(# of Rich SEVIER RI K SEVIER R IER RIVER VER BEAVER R.	VER 4 IVER 7 12	(S) (Z) (#6	77 13 18 18 17

^{1 -} Reas, max, and reas, min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

E. Garfield, Kane, Washington, & Iron Co.



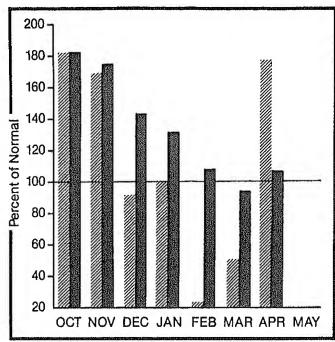


*Based on selected stations

Maximum Minimum

Average Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Normally the watersheds in southwestern Utah lose about three inches of snow water content in April, This April an increase of six-tenths of an inch was recorded, reversing the melt trend that began in February and bringing May first snow water to 88% of average. Mountain precipitation was abundant at most April precipitation was 177% of average. Water year precipitation is 107% of average. flows are forecast above average. Reservoir storage is near capacity except at Enterprise (30% of cap.).

For more information contact your local Soil Conservation Service Office: Cedar City Field Office 801-586-2429

E. BARFIELD, KANE, MASHINGTON, & IRON Co.

FORECAST POINT	¥ ==	AVB. (1000AF)	MOST PROBABLE (1000AF)	PROBABLE (X AV8.)	MAX.	MAX.		MIN.		
AKE POHELL inflow	APR-JUL May-Jul	8046.0	6300.0 8300.0	78	8150.0 6920.0	101 98	4610.0 3820.0	57 54		
/IRGIN near Hurricane	MAY-JUN	43.8	5010	114	70.0	160	30.0	69		
SANTA CLARA near Pine Valley	MUL-YAM	4,0	4.5	118						
DAL CREEK near Cedar City	MAY-JUL	16.8	18.0	107	25.0	149	15.0	89		
						«>=====		*******		
RESERVO	OIR STORAGE	(1000AF)	 		NATERSH	IED BNOWPAC	K ANALYSIS	3	
RESERVOIR		** USE/	BLE STORAG	E **	WATERSHED		NO. COUR	THIS		AS X OF
VEDENAOTU		YEAR	YEAR	AVB. 1			AVG.	D LAB	r yr.	AVERAGE
BUNLOCK	10.4	10.9	7:0		VIRGIN RIV			1400		87
AKE POWELL	25002.0	0.0	0,0	***	PAROWAN		4	144		98
QUAIL CREEK	40.0	36.0	32,0	***	ENTERPRISE	TO NEW H	ARMONY 2	Ó		Q
	10.0	2,8	3,0	444	COAL CREEK		3	123		B 0
JPPER ENTERPRISE			(1962年)[[7](20](198][[8](198](198]	3000000000000000000000000000000000000						
JPPER ENTERPRISE	2.6	1,0	0,6		ESCALANTE	RIVER	2	64		80

^{1 -} Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below. 2 - Corrected for upstream diversions or changes in reservoir storage. The average is computed for the 1961-85 base period.

SNOW MEASUREMENT DATA

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT		AVERAGE 1961-85
	8800 10500	5/04 5/03	43 28	19.5 6.2	11.3	40.3 18.0
	10500	5/03	20	5.8	8.6	13.3
	8280	4/27	0	0.0	0.0	6.5
BEAVER DAMS BEN LOMOND PEAK	8000 8000	4/26 4/28	0	0.0	0.0	8.0
BEN LOMOND TRAIL	6000	4/28	40 0	16.6 .0	18.4 0.0	39.4 9.6
BEVAN'S CABIN	6450	4/29	Ö	.0	0.0	5.5 5.5
	10290	4/26	61	19.6	14.9	
	8100	4/25	0	0.0	0.0	2.0
BLACK'S FLAT-U.M. CK		4/26	20	6.3	3.5	9.4
BLACK'S FORK	9200	4/26	-	9.0E	0.0	11.9
BLACK'S FORK GS-EF		4/27	25	7.7	6.8	9.9
	8930	4/27	19	5.4	2.7	8.3
	9300	4/26	37		6.2	13.2
	10000	4/25	69	23.8	20.0	22.0
	8750	5/04	31	12.9	11.8	40.2
BRIGHTON CABIN	8700	5/04	19	8.9	6.7	25.5
BROWN DUCK RIDGE	10600	4/27	45	12.5	19.0	22.4
BRYCE CANYON	8000	4/28	0	0.0	0.0	0.6
BUCK FLAT	9800	4/26	34	11.8	9.6	17.2
BUCK PASTURE	9700	5/03	42	13.0	9.2	17.2
BUCKBOARD FLAT	9000	4/28	9	3.4	8.0	8.3
BUG LAKE	7950	4/28		9.9	8.0	19.4
BURT'S-MILLER RANCH	7900	4/27	0	0.0	0.0	2.4
CAMP JACKSON	8600	4/28	1	0.4	3.0	7.5
CASTLE VALLEY	9580	4/25	24	8.0	5.9	8.5
CHALK CREEK #1	9100	4/27	39	13.2	15.2	25.0
CHALK CREEK #2	8200	4/27	20	6.1	6.6	14.4
CHALK CREEK #3 CHEPETA	7500	4/27	0	0.0	0.0	3.1
CHEPETA-WHITERKS. LK	10300	4/27	16	4.2	10.1	13.9
CITY CREEK	7500	5/03	39		13.5	15.7
CLEAR CREEK MEADOWS	9420	5/03	9	4.2	0.0	23.2
CLEAR CREEK RIDGE #1		4/27	24	9.7	<u> </u>	20.6
CLEAR CREEK RIDGE #2	8000	4/27	15	5.7 5.3	6.1	18.0
CLEAR CREEK RIDGE #3	6600	4/27	0	0.0	2.9 0.0	10.8
CURRANT CREEK	8000	4/27	ŏ	0.0	0.0	0.1
DANIELS-STRAWBERRY	8000	4/27	1	0.3	0.0	2.8 9.9
DESERET PEAK	9250	4/29	27	9.8	-	26.9
DILL'S CAMP	9200	4/26	14	4.5	3.8	9.4
DONKEY RESERVOIR	9800	4/26	12	3.2	8.1	5.5
DRY BREAD POND	8350	4/28	13	5.1	1.0	18.2
DUCK CREEK R.S.	8700	4/25	-	2.1E	0.0	9.2
EAST SHINGLE LAKE	9800	5/03	51	15.8	12.2	28.9
EAST WILLOW CREEK	8250	5/01	_	0.0E	1.0	7.2
FARMINGTON CANYON	8000	4/28	26	11.0	17.1	33.7
FARMINGTON CANYON L.	6950	4/28	16	6.1	10.4	23.7
FARNSWORTH LAKE	9600	4/26	57	21.1	19.9	22.9

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
FISH LAKE	8700	4/26	10	3.2	1.7	5.9
FIVE POINT LAKE	11000	5/03	36	10.8	13.1	18.4
FRANCES FLATS	6700	5/03	0	0.0	0.0	0.7
G.B.R.C. HEADQUARTER		4/26	33	11.9	10.9	17.6
G.B.R.C. MEADOWS	10000	4/26	58	20.0	19.4	27.2
	7600	4/28	19	7.5	4.2	17.2
	8840					-
	8000	4/26	17	6.3	5.4	10.0
	6700	4/28	0	0.0	0.0	11.1
HARRIS FLAT	7700	4/25	3	1.2	0.0	2.9
HAYDEN FORK	9400	4/27	21	8.1	8.5	16.1
HENRY'S FORK	10000	5/03	34	10.9	11.2	13.4
HEWINTA G.S.	9500	4/27	25	8.7	7.1	10.2
HIDDEN SPRINGS	5500	5/03	0	0.0	0.0	0.4
HOLE-IN-THE-ROCK	9150	4/27	13	3.5	4.0	6.0
HOLE-IN-THE-ROCK GS	8300				_	0.0
HICKERSON PARK	9100	4/27	19	6.3	6.0	6.5
HOBBLE CREEK SUMMIT	7420	4/27	0	0.0	0.0	8.3
HORSE RIDGE	8260	4/28	11	4.0	2.9	20.0
HUNTINGTON-HORSESHOE	9800	4/26	55	20.8	16.1	27.4
INDIAN CANYON	9100	4/27	19	6.2	7.2	10.9
JOHNSON VALLEY	8850	4/26	0	0.0	0.0	4.6
KILFOIL CREEK	7300	4/28	5	1.6	5.6	10.7
KILLYON CANYON	6300	5/03	0	0.0	0.0	0.0
KIMBERLY MINE (UPPER)	9300	4/26	36	13.9	13.4	17.2
KING'S CABIN (UPPER)	8730	4/28	3	0.8	4.0	9.8
KLONDIKE NARROWS	7400	4/28	9	3.7	0.0	15.8
KOLOB-CRYSTAL	9250	4/25	58	20.2	11.6	21.6
LAKEFORK BASIN	11100	5/03	45	12.6	15.0	22.4
LAKEFORK MOUNTAIN #1	10200	4/27	19	5.7	10.1	12.1
LAKEFORK MOUNTAIN #3	8400	4/27	0	0.0	0.0	2.0
LAMBS CANYON	7400	4/27	7	2.5	0.0	11.0
LASAL MOUNTAIN LOWER	8800	4/29	1	0.6	4.4	5.3
LASAL MOUNTAIN (UPP)	9850	4/29	33	13.0	17.6	14.4
LIGHTNING LAKE	10500	5/03	48	13.4	21.0	25.8
LILY LAKE	9050	4/27	17	4.6	5.6	14.2
LITTLE BEAR (LOWER)	6000	4/28	0	0.0	0.0	1.9
LITTLE BEAR (UPPER)	6550	4/28	0	0.0	0.0	5.6
LITTLE GRASSY CREEK	6100	4/25	0	0.0	0.0	0.1
LONG FLAT	8000	4/25	0	0.0	0.0	2.0
LONG VALLEY JCT.	7500	4/25	2	0.7	0.0	0.0
LOST CREEK RESERVOIR	6130	4/28	0	0.0	0.0	0.0
MAMMOTH-COTTONWOOD	8800	4/26	32	13.2	6.9	20.9
MERCHANT VALLEY (UP)	8750	4/26	22	6.9	2.7	7.9
MIDDLE BEAVER CREEK	8650		_			4.0
MIDDLE CANYON	7000	4/29	0	0.0	0.0	10.0
MIDWAY VALLEY	9800	4/25	68	23.0	18.4	24.1
MILL CREEK	6950	4/28	26	10.0	8.6	20.6
MILL D SOUTH FORK	7400	4/27	8	2.8	0.0	15.4

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT		
MONTE CRISTO R.S.	8960	4/28	32	12.9	9.8	26.5
MOSBY MOUNTAIN(LOW)	9500	4/28	16	4.0	7.5	10.5
	9500	4/26	58	20.9	16.6	26.2
MUD CREEK #2		4/26	14	4.8	2.6	8.9
	7760	4/25		6.0		9.5
	7330				_	0.0
OTTER LAKE	9600	4/26	36	11.9	8.9	14.5
	8200	4/25	2	0.5	0.0	1.3
PARADISE PARK	10100	4/28	25	9.0	12.0	15.2
PARLEY'S CANYON SUM.		4/28	11	3.7	1.6	14.2
PAYSON R.S.	8050	4/27	18	7.2	8.2	16.3
PICKLE KEG SPRING	9600	4/26	29	11.9	9.4	15.8
PINE CANYON	8000	4/28	7	1.6	2.6	14.8
PINE CREEK	8800	4/25	32	13.0	8.7	15.5
REDDEN MINE LOWER	8500	4/27	25	9.5	4.2	17.9
RED PINE RIDGE	9200	4/26	30	11.4	7.6	15.9
PINE CREEK REDDEN MINE LOWER RED PINE RIDGE REES'S FLAT	7300	4/25	8	2.7	0.1	11.0
REYNOLDS PARK	10400	5/03	43	12.9	12.2	18.0
ROCK CREEK	7900	4/27	0	0.0	0.0	1.4
ROCKY BASIN-SETTLEMT	8900	4/29	40	15.2	14.1	30.0
SEELEY CREEK R.S.	10000	4/26	45	15.5	15.3	19.0
SERGEANT LAKES	8300	5/03	19	5.7	0.0	11.7
SHINGLE MILL	6200	4/28	0	0.0	0.0	3.3
SILVER LAKE(BRIGHT.)	8730	4/27	32	14.2	10.6	28.2
SMITH & MOREHOUSE	7600	4/27	3	0.8	0.3	9.2
SNOWBIRD GAD VALLEY	9700				30.2	40.0
SOAPSTONE R.S.	7800	4/27	-	0.0E	0.0	7.2
SPIRIT LAKE	10300	4/27	29	9.2	16.4	15.9
SQUAW SPRINGS	9300	4/26	0	0.0	0.0	4.9
STEEL CREEK PARK	10100	4/27	51	17.0	16.6	19.0
STILLWATER CAMP	8550	4/27	6	1.8	2.1	8.4
STRAWBERRY DIVIDE	8400	4/29	20	8.8	0.0	14.9
STUART R.S.	7950	4/26	0	0.0	0.0	2.3
SUSC RANCH	8200	4/27	O	0.0	0.0	2.7
TALL POLES	8800	4/25	35	11.7	4.9	12.7
THAYNES CANYON	9200				-	
THISTLE FLAT	8500				***	17.5
TIMPANOGOS DIVIDE	8140	4/27	12	4.5	5.1	23.0
TONY GROVE LAKE	8400	4/28	47	21.3	9.1	35.8
TONY GROVE R.S.	6250	4/28	0	0.0	0.0	3.8
TRIAL LAKE	9960	4/27	41	12.3	13.7	26.6
TROUT CREEK	9400	4/28	12	2.8	5.1	10.1
UPPER JOES VALLEY	8900	4/26	7	1.9	0.1	6.6
VERNON CREEK	7500	4/28	0	0.0	0.0	5.1
VIPONT	7670					8.0
WEBSTER FLAT	9200	4/25	35	11.6	9.7	16.3
WHITE RIVER #1	8550	4/27	19	6.6	1.3	10.6
WHITE RIVER #3	7400	4/27	0	0.0	0.0	0.8
WIDTSOE-ESCALANTE #3	9500	4/26	34	9.6	12.0	10.5
WRIGLEY CREEK	9000	4/26	14	4.6	3.5	9.0
YANKEE RESERVOIR	8700	4/25	20	7.5	5.0	7.3

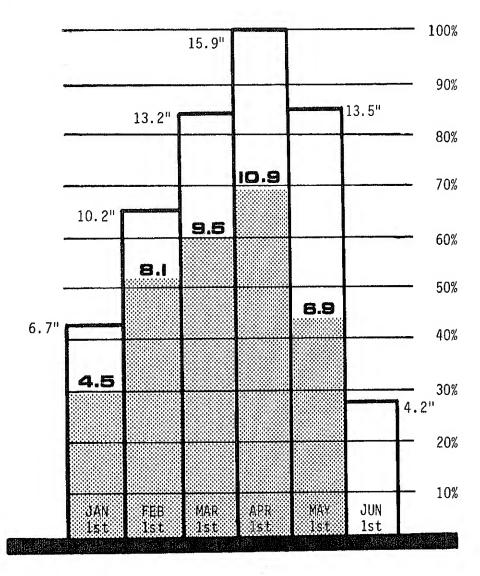


Utah Snowpack Progress

Soll Conservation Service

Salt Lake City, Utah 1988



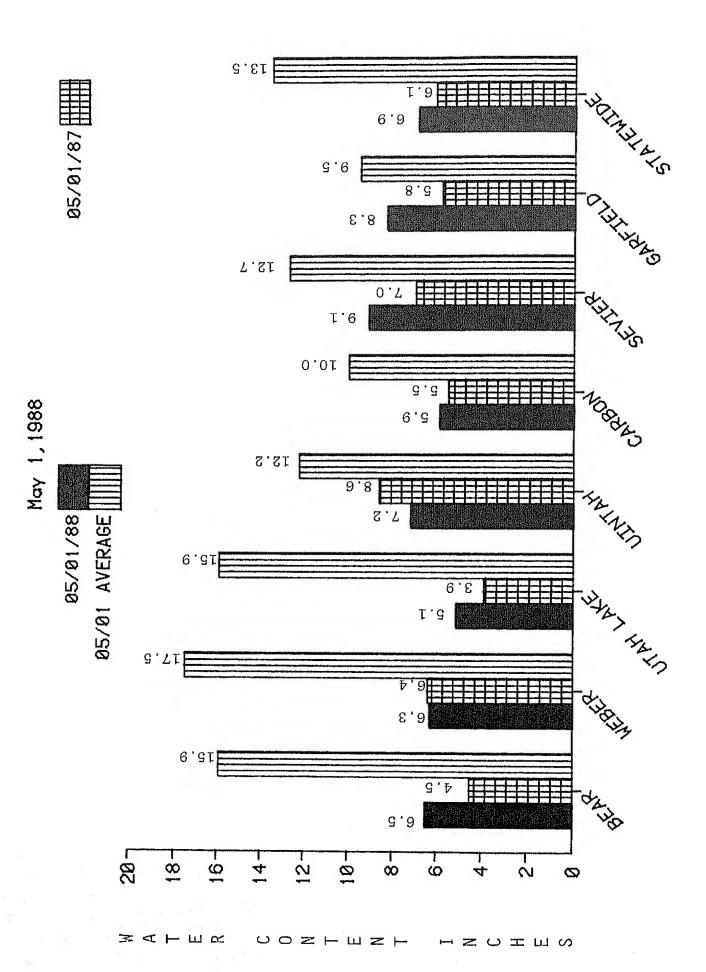


Statewide

NOTE:

Snow water equivalent in inches is compared to the highest seasonal amount (100%). Monthly averages are accumulated by basin/state.

Averages are for the period 1961-1985.



OTHER PLACES FOR INFORMATION OR ASSISTANCE

Check with local ASCS office for possible special practices or cost-sharing that might assist with major irrigation changes on your farm this year. Maintain contact with Farmers Home Administration for special local programs or disaster loans available. Maintain contact with the local Cooperative Extension Service office for agricultural and marketing conditions. If you belong to an irrigation district, contact irrigation officials throughout the season to learn about current water availability and water supply forecasts. Consult commercial irrigation equipment suppliers for system efficiency ideas.

vice office and Conservation District officials Check with your local Soil Conservation Serfor details concerning your soil and water conservation problems.



United States Department of Agriculture

Soil Conservation Service

WATER CONSERVATION

IRRIGATION WATER FOR STRETCHING



Stretch Your Irrigation Water

Soil can absorb irrigation water only at a given rate, which varies for each soil type. Water requirements vary for different crops. Make sure you apply water to your crop only when needed. Check soil moisture by space, probe, or soil moisture meter, and make careful visual checks of your crops.

If you have a conservation plan on your farm, or if the soil in your area has been mapped, the Soil Conservation Service can cross-check soil type and irrigation data and provide you with the water holding capacity of your soil for a given crop.

Don't know if your soil has been mapped? Check with the local SCS office. Even if the soil has not been mapped, the SCS can supply you with general information.

Water stretching measures are important to most farmers in the West. To use your available water in the most productive way possible, here's a checklist to help you analyze your irrigation system.

IRRIGATION SYSTEMS

Inspect your system before water starts to flow.

Make sure ditches are clean and free from weeds, sediment, or other debris which can slow water velocity, affect delivery rate and increase evaporation.

Consider lining ditches with concrete or plastic. This could avoid the 10-90 percent loss which often occurs in ditches.

Make sure ditch structures — like headgates, drop structures, and pipe inlets — are strong and functional. A washed-out ditch structure could mean a lot of water lost.

Make sure ditchbanks are firm and not burrowed into by rodents. Rodent holes could cause leakage or failures.

Make sure your pump is operating at peak efficiency. Adequate maintenance will improve efficiency, guard against water loss, and avoid shutdowns.

SPRINKLER SYSTEMS

Make sure nozzles aren't worn and leaky. Check pipe connections and valves to prevent leaks.

Operate sprinklers at recommended pressure. Use application rate, efficiency factor and time of application to figure how much to apply.

Consider trickle systems for orchards, vineyards, etc. Operate at recommended design values and maintain the filter system.

IRRIGATION MANAGEMENT

Measure the amount of water applied to the field. This can indicate when and how much

Consider alternate row irrigation for crops planted in furrows. But remember to alternate the "alternate" row in later irrigations.

Consider shorter runs if you furrow irrigate. Match stream size and velocity to soil intake rate and capacity.

Consider catching and re-using tail water by pumping it back to the head of the system or re-using elsewhere.

Irrigate most crops when soil moisture reaches about 50 percent of capacity.

OTHER PLACES FOR INFORMATION OR ASSISTANCE

pliers for plant watering requirements and Consult commercial nursery or garden suprecommendations. Check with your local Soil Conservation Service office, Conservation District officials, or Cooperative Extension Service office for details concerning your water conservation questions.



United States Department of Agriculture Soil Conservation Service

WATER CONSERVATION

FOR STRETCHING

WATER FOR

YARDS AND GARDENS



Surviving a Water Shortage Takes Good Management

What can be done to nurture trees, shrubs, lawns and gardens through a water-short year?

First, try to learn all you can about how much water will be available and what regulations might be put into effect.

Absorb all you can about relationships among soil, water and plants — especially your own.

Develop a plan for applying water based on supply, needs, alternatives and current conditions.

Observe and measure how your plan is working.

Those plant, water and soil relationships are crucial to success of your management plan.

Plants differ in how much water they need to survive or prosper — and this varies with climate and changing weather conditions.

Sprinklers and other devices for applying water vary in how fast they can deliver water.

And finally, soils differ in how fast they absorb moisture, how much they store and how long they retain it.

A rule of thumb says 1 inch of moisture will penetrate 12 inches deep in sandy soil; 7 inches in loam, and 4 to 5 inches in clay.

ALTERNATIVES

Save water for plants that can't survive without it.

Reduce watering of other plants to subsistence level. (Lawns can do without water for a long time and green up again when moisture is available.)

Don't plant annuals when water shortage is imminent.

If a vegetable garden is important, many perennials can do without water better than annuals can.

Hold up on new landscaping or consider desert or native plants.

If you were planning to remove any lawn, trees or shrubs in the future; this would be the year to do the work before you start watering.

Change your lawn and garden watering system. Try automatic, drip or different sprinkler heads for better efficiency.

APPLY WATER EFFICIENTLY

Water deep and less often. Shallow, frequent watering encourages shallow roots, more evaporation loss and reduces the moisture reservoir in the soil.

For best results check how long it takes to soak the entire root zone and how long this watering will last.

Don't apply water faster than soil can absorb.

Don't let water run off into street or driveway.

Water early in the day to reduce evaporation loss.

CONSERVE MOISTURE

Mulch around trees and shrubs and between garden rows. This holds in moisture, discourages weeds which compete for moisture.

Aerate your lawn to permit better water penetration.

Set your lawn mower blade to leave 2 or more inches of grass after mowing.

Fertilize adequately. A sick looking lawn or garden many need more fertilizer, not more water. Apply fertilizer before regular watering.

If it rains, reduce watering time accordingly. Measure how much rain has fallen, adjust watering schedule and duration accordingly.

The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

State

Utah State University
Utah State Department of Natural Resources
Division of Wildlife Resources
Division of Water Resources
Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

Federal

- U.S. Department of Agriculture Soil Conservation Service Forest Service
- U.S. Department of Commerce NOAA, National Weather Service
- U.S. Department of Interior Bureau of Reclamation Geological Survey National Park Service

Municipality

Manti Salt Lake City

Public

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Central Utah Conservancy District
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association
Weber River Water Users Association
Weber Basin Conservancy District

Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.

All programs and services of U.S. Dept. of Agriculture are available to everyone without regard to race, creed, color, sex, age, handicap, or national origin.